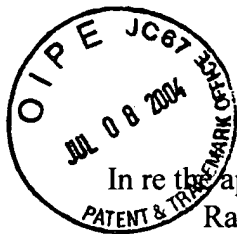


July 27, 2000



In the United States Patent and Trademark Office

In re the application of:
Raghunanadan

Filed: July 27, 2000

For: An Audio Support System
for Controlling an E-mail
System in a Remote
Computer

Appl. No.: 09/626,945

Applicant's Docket:
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Examiner: Martin Lerner

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APPEAL BRIEF

Dear Sir:

REAL PARTY IN INTEREST

The assignee, International Business Machines Corporation, is the real party in interest.

RELATED APPEALS AND INTERFERENCES

This is the first appeal in the present patent application. There are no other appeals or interferences known to the appellant or its legal representative. International Business Machines Corporation is the sole assignee of the patent application.

ATTACHMENTS:

APPENDIX "AA" CLAIMS (5 pages)

APPENDIX "BB" AMENDMENT TO SPECIFICATION (1 page)

STATUS OF CLAIMS

Claims 1-18 were originally presented in the application.

In a first Office action, dated August 26, 2003 (the "First Office Action"), claims 3 and 16-18 were rejected under 35 USC 112, second paragraph, as being indefinite. Claims 1, 2, 4, 14 and 15 were rejected under 35 USC 102(e) as being anticipated by U.S. Patent No. 6,507,643 ("Groner"). Claims 3, 6, 8-13 and 16-18 were rejected under 35 USC 103(a) as being unpatentable over Groner in view of U.S. Patent No. 5,444,768 ("Lemaire et al."). Claims 5 and 7 were rejected under 35 USC 103(a) as being unpatentable over Groner in view of U.S. Patent No. 6,584,181 ("Aktas et al.").

In response to the First Office Action, claim 15 was canceled and all the remaining claims were amended in a reply of November 26, 2003, so that the claims more clearly point out patentable distinctions with regard to the art cited and to correct indefiniteness.

Claims 1-14 and 16-18 were finally rejected in an Office action of February 3, 2004 (the "Final Office Action"), in which all the original rejections based on prior art were maintained. The rejections under 35 USC 112, second paragraph, were overcome by the amendments submitted in reply to the First Office Action. Appellant has appealed from the final rejection of the claims.¹ No claims have been allowed.

STATUS OF AMENDMENTS

Claims 1-14 and 16-18 are pending in the case. No amendments to the claims have been submitted after the Final Office Action. The claims set out in Appendix "AA" herein below reflect the status of the claims as entered responsive to Appellant's reply of November 26, 2003.

The specification was objected to in the first Office action because, as the Office pointed out, a sentence on page 5, line 27 did not end in a period. An amendment to the specification was responsively presented in a reply in order to overcome the objection, but the Office did not enter the amendment based on the contention that the reply did not state the page and line numbers of the sentence to be amended. In fact, the page and line numbers of the sentence were stated in the reply.² Nevertheless, the amendment to the sentence is again herein presented in Appendix "BB," including page and line numbers, for entry of the amendment.

¹ Notice of Appeal, received by USPTO on May 4, 2004.

² Reply of November 26, 2003 (Remarks, page 8, item 1).

SUMMARY OF INVENTION

The present invention is claimed in the form of a system in independent claims 1 and 8, a computer program product in independent claim 14, and a method in independent claim 16.

The present invention is helpful for a person with a disability to interface with the user's computer, which contains an e-mail system.³ The specification and FIG's set out a computing system such as referred to in the preambles of claims 1, 8 and 16. The system (e.g., FIG. 1) includes a central processing unit (e.g., CPU of FIG. 1), associated memory (e.g., ROM, RAM and External Storage of FIG. 1), input/output devices (page 2, line 12), an e-mail system (e.g., computer containing e-mail system 13 of FIG. 3, i.e., e-mail software of FIG's 1 and 4) and a remote control device (e.g., RCD of FIG. 1, shown in more detail in FIG. 3).

The remote control device as set out in claim 8 includes a microphone (e.g., microphone 1 of FIG. 3) connected to an input of a microphone amplifier (e.g., amplifier 2 of FIG. 3), with an output of the microphone connected to an input of an analog to digital converter (e.g., converter 3 of FIG. 3).

The remote control device of claim 8 also has an analog to digital converter connected to a first input of a processor means (e.g., processor means 4 of FIG. 3) and a Read Only Memory (e.g., ROM 5 of FIG. 3) containing text-to-speech conversion software (e.g., text-to-speech conversion software 5.1 of FIG. 3) and speech-to text-conversion software (e.g., speech-to text-conversion software 5.2 of FIG. 3) connected to a second input of the processor means. The remote control device of claim 8 also has a Random Access Memory (e.g., RAM 6 of FIG. 3) which contains speech-to-text data (e.g., speech-to-text data 6.1 of FIG. 3), text-to-speech-data (e.g., text-to-speech-data 6.2 of FIG. 3), and command and status data (e.g., command and status data 6.3 of FIG. 3) connected to a first input-output of the processor means.

The remote control device of claim 8 also has a transmitter (e.g., transmitter 11 of FIG. 3) connected to one output of the processor means for transmitting the data in RAM to the e-mail system. Another input of the processor means is connected to a receiver (e.g., receiver 12 of FIG. 3) which receives data from the e-mail system. Another input-output of the processor means is connected to a control panel containing switches and display elements (e.g., control panel 10 of FIG. 3). Another output of the processor means is connected to a digital to analogue convertor (e.g., digital to analogue convertor 7 of FIG. 3), which converts data received from the text-to-speech conversion software into an analogue electrical signal. The analogue electrical

³ Present application, page 1, lines 12-14, and page 5, lines 7-9.

signal is fed to an input of an audio amplifier (e.g., audio amplifier 8 of FIG. 3), which drives a loud speaker (e.g., loud speaker 9 of FIG. 3) to generate audible sound.

Claim 8 sets out features in a more succinct fashion as a means-plus-function system form of the invention. Specifically, claim 8 states that the system includes means to convert speech to text (e.g., microphone 1, amplifier 2, converter 3 and speech-to text-conversion software 5.2 RAM 6 of FIG. 3); means to transmit the text (transmitter 11 of FIG. 3) to the e-mail system; means to receive text from the e-mail system (e.g., receiver 12 of FIG. 3); means to convert the received text into speech (e.g., speech-to text-conversion software 5.2 of FIG. 3); and means to select and access the received e-mail in the e-mail system (buttons for selecting e-mail, page 8, line 29 - page 9, line 6).

Claim 16 sets out features in a fashion similar to claim 8, but as a method form of the invention. Claim 14 sets out features in a fashion similar to claim 16, but as a computer program product form of the invention.

In other features of the invention, the remote control device includes means to display the received e-mail messages (claims 2 and 18).⁴ The remote control device is customized by the user to speak aloud the sender, date, subject, e-mail content and attachment for incoming mail (claim 3).⁵ The remote control device includes means for selecting e-mail message or folder (claims 4 and 17).⁶ Also, the e-mail may be selected through speech (claim 17).⁷ The remote control device includes means for speaking aloud the summary of an e-mail folder (claim 5).⁸ The remote control device is linked to the computer through infra-red or ultrasonic or radio frequency waves (claim 6).⁹ The e-mail system provides a audio announcement whenever new messages are received (claim 7).¹⁰

Also, the processor means may be a digital signal processor (claim 9), a micro controller (claim 10) or an ASIC (claim 11).¹¹ The ASIC may include the entire circuit except the

⁴ Specification, page 8, lines 22-29 (describing that control panel 10 of FIG. 3 has display devices); page 5, lines 26-27.

⁵ Specification, page 9, lines 17-24 (Example 1).

⁶ Specification, page 8, line 29 - page 9, line 6 (describing buttons for selecting); page 3, lines 1-2.

⁷ Specification, page 5, line 24.

⁸ Specification, page 8, lines 14-20 (describing FIG. 3, including converter 7, amplifier 8 and speaker 9 driven by processor means 4 using program 5.1); page 3, lines 4-5.

⁹ Specification, page 3, lines 7-8.

¹⁰ Specification, page 3, lines 10-11.

¹¹ Specification, page 4, lines 11-12.

microphone, speaker, computer containing e-mail system and control panel (claim 12).¹² The ASIC may contain the ROM, RAM, transmitter and receiver (claim 13).¹³

ISSUES

Issue 1. Are claims 1, 2, 4 and 14 anticipated under 35 U.S.C. 102(e) by Groner?

Issue 2. Are claims 3, 6, 8-13 and 16-18 unpatentable under 35 U.S.C. 103(a) as being obvious over Groner in view of Lemaire et al?

Issue 3. Are claims 5 and 7 unpatentable under 35 U.S.C. 103(a) as being obvious over Groner in view of Aktas et al?

GROUPING OF CLAIMS

Solely for the purpose of this appeal, the claims stand or fall together according to the following groups:

Group 1: claims 1, 2, 4 and 14;

Group 2: claims 3, 6, 8-13 and 16-18; and

Group 3: claims 5 and 7.

ARGUMENT

Issue 1. The Final Office Action rejects claims 1, 2, 4 and 14 on the basis that they are anticipated by Groner. Groner does not teach what is claimed unless certain specifically claimed elements or steps of the present invention are disregarded. A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.¹⁴ Appellant respectfully contends that claims 1, 2, 4 and 14, as previously amended, are allowable because in all of the forms of the invention claimed in the present application each and every claim either explicitly refers to and has a limitation concerning a "remote control device" (or words to that effect), or else depends upon a claim that does so.

¹² Specification, page 4, lines 15-16.

¹³ Specification, page 4, lines 18-19.

¹⁴ MPEP 2131 (citing *Verdegaal Bros. v. Union Oil Co., of California*, 814 F.2d 628, 631).

July 27, 2000

The method steps cited in the Office action as anticipating elements of claim 1 of the present application are steps performed in a computer system that implements the voice-to-electronic mail system. The Final Office Action points out Groner teaches that a computer system may be accessed by a telephone device.¹⁵ But the steps cited are not performed in the telephone or any remote control device,¹⁶ whereas claim 1 in the present application sets out a "computing system . . . , characterized in that it includes a remote control device comprising . . ." and then goes on to set out means included in the remote control device.

There is no ambiguity as to whether the means set out after the preamble of the claim are included in the remote control device. The word "comprising" follows immediately after "remote control device" in the preamble and there is no comma after "remote control device" that would indicate that the word "comprising" refers back to the "system" rather than to the "remote control device." Clearly the means that are set out after the preamble are means *included in the remote control device*. Thus, the remote control device of the present invention includes means to convert speech to text, etc.

Consistent with the above, claims 2 and 4 both state at the outset that ". . . the remote control device includes . . ." Likewise, claim 14 was previously amended to set out limitations similar to those explained herein above regarding claim 1. For example, claim 14 states ". . . instructions for sending e-mail by: receiving speech input *by a remote control device* from a user, converting the speech input *by the remote control device* into an analog electrical signal . . . converting the digitized signal to text *by the remote control device* . . . , " etc.

The specification and figures are consistent with the above. For example, FIG. 2 in the present application specifically illustrates the appearance of the remote control device and FIG. 3 provides a block diagram of the remote control device which shows the elements of the claims, as discussed herein above in the Summary of the Invention.

Groner addresses "a need for a system and method that uses speech recognition software to automatically convert voice messages into text messages suitable for sending as e-mail messages and for viewing on a display devices [sic]." ¹⁷ More specifically, Groner concerns a voice-to-electronic mail system and method for automatically receiving a voice message from a telephone caller, converting the message to an e-mail, calling a text display device, such as by a

¹⁵ Final Office Action, page 8, item 7.

¹⁶ Groner, col. 6, lines 52-54 ("FIG. 4 is a flowchart providing an overview of the operation of the computer system 70 (FIG. 3) implementing the voice-to-electronic mail system 30 of FIG. 1. ").

¹⁷ Groner, col. 2, lines 54-57.

July 27, 2000

telephone call, and transferring the e-mail to the text display Device.¹⁹ Groner teaches that the voice-to-electronic mail system is implemented *as a computer system*.²⁰ Groner makes no reference to a system that converts speech to text in the telephone device which the Office action compares to the remote control device set out in the claims for the present Invention.²¹ Also, Groner does not teach about any such remote control device by which a user may control the computer system for selecting and accessing e-mail's in the e-mail system in the computer, as claimed for the present invention. For these reasons Applicant contends Groner does not anticipate or obviate claims 1, 2, 4 or 14.

Issue 2. To establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art.²² Applicant respectfully contends that claims 3, 6, 8-13 and 16-18, as previously amended, are allowable because not all the claim limitations are taught or suggested by the prior art relied upon.

Lemaire et al. concerns a "portable computer device for audible processing of messages stored at one or more remote central message facilities."²³ The portable computer device shown by Lemaire et al. is connected to a user's computer in FIG. 2. Likewise the remote control device of the present invention is coupled to a user's computer. But, as the Final Office Action acknowledges,²⁴ the portable computer device disclosed by Lemaire et al. does not have the

¹⁹ Groner, Col. 4, lines 19-55 ("Referring to FIG. 1, a network 20 includes the voice-to-electronic mail system 30 of the present invention. A caller uses a telephone 32 to call a recipient at another telephone 34 . . . If the recipient does not answer the call, the telephone network 36 routes the call to the recipient's voice mail system 38. The telephone network 36 provides call identification . . . to the voice-to-electronic mail system 30 . . . If the called party subscribes to the voice-to-electronic mail system 30, the voice-to-electronic mail system 30 receives a voice message from the caller, converts the voice message to a text message, and sends the text message, as an electronic mail (e-mail) message, to the recipient via the electronic mail system 40. The electronic mail system 40 sends the e-mail message over the packet-based network 42 for display on the recipient's text display device 44 . . . [which] may be associated with a telephone number, and the electronic mail system 40 calls that telephone number to send the text message to the recipient.").

²⁰ Groner, Col. 5, lines 5-30 ("Referring to FIG. 3, a computer system 70 implements the voice-to-electronic mail system 30 (FIG. 1) . . .").

²¹ Groner, Groner, col. 5, lines 5-30 ("The computer system 70 includes: a data processor (CPU) 72; a user interface 74, including a display 76, and one or more input devices, such as a mouse 78 and a keyboard 80; a memory 82, which may include random access memory as well as disk storage and other storage media; a disk controller 84 and disk drive 86 for retrieving information from and storing information to the disk drive 86; the information includes procedures and data; a voice mail system interface (VM I/F) 88 to transfer a call to the voice mail system; a telephone network (TN) interface 90 to receive a call from a caller; a network interface card (NIC) 92 that provides a packet-based interface for connecting to a remote server via a packet switched network such as the Internet; and one or more buses 96 for interconnecting the aforementioned elements of the computer system 70.").

²² MPEP 2143.03 (citing *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974); *In re Wilson*, 424 F.2d 1382, 1385, 165 USPQ 494, 496 (CCPA 1970)).

²³ Lemaier et al., Abstract.

²⁴ Final Office Action, page 9, lines 13-15 ("Lemaire et al. is cited for a specific circuit . . . including A/D and D/A conversion and amplifiers, and not a remote control device or speech-to-text conversion.").

July 27, 2000

same structure as the remote control device claimed according to the present invention, nor does it function with respect to the user's computer in the same fashion as claimed in the present case.

The Office action combines the teaching of Groner with that of Lemaire et al., contending that the combination teaches about customization by the user of the remote control device of claim 1 in the present case such that the device speaks aloud the sender, date, subject, e-mail content and attachment for incoming mail (claim 3 of the present case). Claim 3 depends on claim 1 and therefore Applicant contends that claim 3 is also patentably distinct for reasons described herein above regarding claim 1.²⁵ Moreover, Groner does not teach that the telephone device includes means for speaking aloud the sender, date, subject, e-mail content and attachment for incoming mail, as claimed in the present case. And as the Office actions acknowledge, Lemaier et al. do not teach that the portable computer device speaks aloud the sender, date, subject, e-mail content and attachment for incoming mail.

Claim 6 depends on claim 1 and therefore Applicant contends that claim 6 is also patentably distinct for reasons described herein above regarding claim 1.²⁶ Also, the portable computer device taught by Lemaier et al. is coupled to the central message facility by a radio frequency (cellular telephone system) signal,²⁷ *not to a user's computer system* as in claim 6 of the present invention. The same applies to the telephone device of Groner. For at least this reason as well, Applicant contends that claim 6 is patentably distinct.

Claim 8 is even more explicit than claim 1 as to the function and structure of the present invention, particularly with regard to the remote control device. The Final Office Action relies upon Lemaire et al. merely for the teaching about A/D and D/A conversion and amplifiers, but as explained herein above regarding claim 1, Groner does not teach the rest of what is claimed. For example, Groner does not teach that ". . . the remote control device comprises . . . a second input of said processor connected to a ROM (Read Only Memory) containing text-to-speech conversion software and speech-to-text-conversion software, a first input-output of said processor means connected to Random Access Memory (RAM) which contains speech-to-text data, text-to-speech-data, and command and status data, one output of said processor means connected to a transmitter for transmitting the data in RAM to the e-mail system, . . ." etc.

The Office action also contends that Lemaire et al. teach about the processor means of

²⁵ MPEP 2143.03 ("If an independent claim is nonobvious under 35 U.S.C. 103, then any claim depending therefrom is nonobvious," citing *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988)).

²⁶ *Id.*

²⁷ See Lemaier et al. FIG. 1 (telephone connection 35).

July 27, 2000

claim 8 being a digital signal processor (claim 9 of the present case), a micro controller (claim 10 of the present case) or an ASIC (claim 11 of the present case), and about the ASIC including the entire circuit except the microphone, speaker, computer containing e-mail system and control panel (claim 12 of the present case). The Office action also contends that Lemaire et al. teaches about the ASIC containing ROM, RAM, transmitter and receiver (claim 13 of the present case).

The Office actions have cited no motivation to combine the teachings of Lemaire et al. in this regard with that of Groner. The mere fact that references can be combined or modified does not render the resultant combination obvious unless the prior art also suggests the desirability of the combination.²⁸ And even if there were such motivation, there is no teaching by either reference about a processor means connected to RAM in a remote control device containing speech-to-text data as in claim 8, upon which claims 9-13 depend. For at least these reasons, Applicant contends that claims 9-13 are patentably distinct.

The Office action also maintains that Lemaire et al. teach about the microphone, signal conversions, etc. of claim 16 of the present case, despite the previous amendment so that claim 16 includes limitations regarding steps being performed *by the remote control device*. Applicant contends that amended claim 16 is patentably distinct for reasons similar to those explained herein above regarding claim 1.

The Office action also contends that Groner teaches about selecting e-mail through speech or a control panel (claim 17 of the present case) and about displaying the e-mail on the remote control device (claim 18 of the present case). For at least the reasons regarding claim 16 described above, upon which claims 17 and 18 depend, Applicant contends that claims 17 and 18 are patentably distinct.

Issue 3. Applicant respectfully contends that claims 5 and 7, as amended herein, are allowable for the following reasons. The Office action also contends that Aktas et al. teach about means for speaking aloud the summary of an e-mail folder (claim 5 of the present case) and about an e-mail system providing a audio announcement whenever new messages are received (claim 7 of the present case). The invention of Aktas et al. concerns voice prompts in a telephone messaging system.²⁹ Aktas et al. describe announcing caller-defined or user-defined subjects for voice messages or message folders.³⁰ Applicant contends this does not suggest

²⁸ MPEP 2143.01 (citing *In re Mills*, 916 F.2d 680, 16 USPQ2d 1430 (Fed. Cir. 1990)).

²⁹ Aktas et al., Col. 2, lines 6 through 14.

³⁰ Aktas et al., Col. 9, lines 28-33.

July 27, 2000

audibly announcing an e-mail message subject header or an e-mail folder label, both of which are text, particularly when the announcing is done by a remote control device coupled to a user's computer system for e-mail in the user's computer system, as in claim 5 of the present application. For at least these reasons, in addition to the reasons regarding claim 1 described above, upon which claims 5 and 7 depend, Applicant contends that claims 5 and 7 are patentably distinct.

REQUEST FOR ACTION

Based on the above arguments, Appellant requests that claims 1-14 and 16-18 of the present application be allowed and the application promptly be passed to issuance.

Respectfully submitted,

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APPENDIX "AA"

What is claimed is:

1. (previously presented) A computing system comprising a central processing unit, associated memory, input/output devices and containing an e-mail system, characterized in that it includes a remote control device comprising :
 - means to convert speech to text;
 - means to transmit the text to the e-mail system;
 - means to receive text from the e-mail system;
 - means to convert the received text into speech; and
 - means to select and access the received e-mail in the e-mail system.
2. (previously presented) A computing system as claimed in claim 1 wherein said remote control device (RCD) further includes a means to display the received email messages.
3. (previously presented) A computing system as claimed in claim 1 wherein the remote control device is customized by the user to speak aloud the sender, date, subject, e-mail content and attachment for incoming mail.
4. (previously presented) A computing system as claimed in claim 1 wherein the remote control device includes means for selecting email message or folder.
5. (previously presented) A computing system as claimed in claim 1 wherein the remote control device includes means for speaking aloud the summary of an e-mail folder.
6. (previously presented) A computing system as claimed in claim 1 wherein the remote control device is linked to the computer through infra-red or ultrasonic or radio frequency waves.
7. (previously presented) A computing system as claimed in claim 1 wherein the e-mail system provides a audio announcement whenever new messages are received.

8. (previously presented) A computing system comprising a central processing unit, associated memory, input/output devices, an e-mail system and a remote control device, wherein the remote control device comprises:

- a microphone connected to an input of a microphone amplifier,
- an output of said microphone connected to an input of an analog to digital converter (ADC),
- an output of the ADC connected to the one input of a processor means,
- a second input of said processor connected to a ROM (Read Only Memory) containing text-to-speech conversion software and speech-to text-conversion software,
- a first input-output of said processor means connected to Random Access Memory (RAM) which contains speech-to-text data, text-to-speech-data, and command and status data,
- one output of said processor means connected to a transmitter for transmitting the data in RAM to the e-mail system,
- another input of the processor means connected to a receiver which receives data from the e-mail system,
- another input/output of the processor means connected to a control panel containing switches and display elements, and
- another output of the processor means connected to a digital to analogue convertor which converts data received from the text-to-speech conversion software into an analogue electrical signal, the analogue electrical signal being fed to an input of an audio amplifier which drives a loud speaker to generate audible sound.

9. (previously presented) A computing system as claimed in claim 8 wherein the processor means is a digital signal processor.

10. (previously presented) A computing system as claimed in claim 8 wherein the processor means is a micro controller.

11. (previously presented) A computing system as claimed in claim 8 wherein the processor means is an ASIC.
12. (previously presented) A computing system as claimed in claim 11 wherein the ASIC includes the entire circuit except the microphone, speaker, computer containing e-mail system and control panel.
13. (previously presented) A computing system as claimed in claim 11 wherein the ASIC contains ROM , RAM ,transmitter and receiver.
14. (previously presented) A computer programme product residing on computer storage media, the computer programme product comprising:
instructions for sending e-mail by:
 - receiving speech input by a remote control device from a user,
 - converting the speech input by the remote control device into an analog electrical signal,
 - amplifying the electrical signal and converting the electrical signal to digital form by the remote control device,
 - converting the digitized signal to text by the remote control device, and
 - transmitting the text by the remote control device to the computing system's e-mail system,instructions for receiving e-mail by:
 - transmission of data to the remote control device,
 - receiving data from the computing system's e-mail system by the remote control device,
 - converting said received data from text to digitized speech by the remote control device,
 - converting the digitized speech to analog form by the remote control device, and
 - amplifying the analog signal and converting the analog signal to speech by the remote control device for the user.

15. (canceled)

16. (previously presented) In a computing system comprising a central processing unit, associated memory, input/output devices and an e-mail system, a method for remotely controlling the e-mail system using a remote control device, the method comprising the steps of:

sending e-mail by:

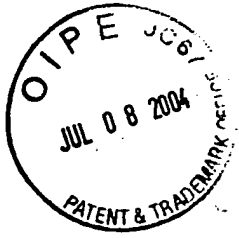
- receiving speech input by the remote control device from a user,
- converting the speech input by the remote control device into an analog electrical signal,
- amplifying the electrical signal and converting the electrical signal to digital form by the remote control device,
- converting the digitized signal to text by the remote control device,
- transmitting the text by the remote control device to the computing system's e-mail system, and
- receiving the transmitted text in the computing system's e-mail system,

and,

receiving e-mail by:

- transmission of data from the computing system's e-mail system to the remote control device,
- receiving transmitted data at the remote control device,
- converting said received data from text to digitized speech by the remote control device,
- converting the digitized speech to analog form by the remote control device, and
- amplifying the analog signal and converting the analog signal to speech by the remote control device for the user.

17. (previously presented) A method as claimed in claim 16 wherein the email is selected through speech or through a control panel.
18. (previously presented) A method as claimed in claim 16 wherein the received mail message is displayed on the remote control device.



APPENDIX "BB"

AMENDMENT TO THE SPECIFICATION

Please enter the amendment indicated below to the sentence on page 5, line 26 of the original specification:

The received mail message is displayed on the said remote control device (RCD).